

SEQUENCE LISTING

<110> Aros Applied Biotechnology ApS

<120> Classification of Cancer

<130> 69167(302423)

<140> US 10/584,653

<141> 2006-06-27

<150> PCT/DK04/000914

<151> 2004-12-23

<150> PA 2004 01843

<151> 2004-11-26

<150> PA 2004 00586

<151> 2004-04-07

<150> PA 2004 00096

<151> 2004-01-24

<150> PA 2003 01940

<151> 2003-12-27

<160> 139

<170> PatentIn version 3.1

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<211> 1237

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<213> Homo sapiens

<223> NM_002985.2| chemokine (C-C motif) ligand 5 (CCL5), mRNA

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<223> NM_004184.3| tryptophanyl-tRNA synthetase (WARS), transcript variant 1, mRNA

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<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<223> NM_003488.2| A kinase (PRKA) anchor protein 1 (AKAP1), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA

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<223> NM_002818.2| proteasome (prosome, macropain) activator subunit 2 (PA28 beta) (PSME2), mRNA

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<212> DNA

<213> Homo sapiens

<223> NM_004363.1 carcinoembryonic antigen-related cell adhesion molecule 5 (CEACAM5), mRNA

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<213> Homo sapiens

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<211> 2033

<212> DNA

<213> Homo sapiens

<223> NM_001533.1| heterogeneous nuclear ribonucleoprotein L (HNRPL), mRNA

<400> 11

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<211> 3453

<212> DNA

<213> Homo sapiens

<223> NM_001144.3| autocrine motility factor receptor (AMFR), transcript variant 1, mRNA

<400> 12

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<211> 1351

<212> DNA

<213> Homo sapiens

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<400> 13

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<211> 4180

<212> DNA

<213> Homo sapiens

<223> NM_006291.2| tumor necrosis factor, alpha-induced protein 2 (TNFAIP2), mRNA

<400> 14

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<210> 15

<211> 2524

<212> DNA

<213> Homo sapiens

<223> NM_000249.2| mutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli) (MLH1), mRNA

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<210> 16

<211> 1536

<212> DNA

<213> Homo sapiens

<223> NM_001071.1| thymidylate synthetase (TYMS), mRNA

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<210> 17

<211> 2986

<212> DNA

<213> Homo sapiens

<223> NM_000201.1| intercellular adhesion molecule 1 (CD54), human rhinovirus receptor (ICAM1), mRNA

<400> 17

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<210> 18

<211> 736

<212> DNA

<213> Homo sapiens

<223> NM_004492.1| general transcription factor IIA, 2 (12kD subunit) (GTF2A2), mRNA

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<210> 19

<211> 6401

<212> DNA

<213> Homo sapiens

<223> NM_004850.3| Rho-associated, coiled-coil containing protein kinase 2 (ROCK2), mRNA

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<211> 1556

<212> DNA

<213> Homo sapiens

<223> NM_005783.3| thioredoxin domain containing 9 (TXNDC9), mRNA

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<210> 21

<211> 1276

<212> DNA

<213> Homo sapiens

<223> NM_003581.1| NCK adaptor protein 2 (NCK2), mRNA

<400> 21

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<210> 22

<211> 1577

<212> DNA

<213> Homo sapiens

<223> NM_006214.2| phytanoyl-CoA hydroxylase (Refsum disease) (PHYH), mRNA

<400> 22						
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<210> 23

<211> 3060

<212> DNA

<213> Homo sapiens

<223> NM_004739.2| metastais-associated gene family, member 2 (MTA2), mRNA

<400> 23

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<213> Homo sapiens

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<210> 29

<211> 1575

<212> DNA

<213> Homo sapiens

<223> NM_014298.3| quinolinate phosphoribosyltransferase (nicotinate-nucleotide pyrophosphorylase (carboxylating)) (QPRT), mRNA

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<210> 30

<211> 768

<212> DNA

<213> Homo sapiens

<223> NM_004585.2| retinoic acid receptor responder (tazarotene induced) 3 (RARRES3), mRNA

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<210> 31

<211> 696

<212> DNA

<213> Homo sapiens

<223> NM_002984.1| chemokine (C-C motif) ligand 4 (CCL4), mRNA

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<210> 32

<211> 3338

<212> DNA

<213> Homo sapiens

<223> NM_001455.2| forkhead box O3A (FOXO3A), transcript variant 1, mRNA

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<210> 33

<211> 2646

<212> DNA

<213> Homo sapiens

<223> NM_152873.1| tumor necrosis factor receptor superfamily, member 6 (TNFRSF6), transcript variant 4, mRNA

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<211> 817

<212> DNA

<213> Homo sapiens

<223> NM_002038.2| interferon, alpha-inducible protein (clone IFI-6-16) (G1P3), transcript variant 1, mRNA

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<210> 35

<211> 1172
 <212> DNA
 <213> Homo sapiens
 <223> NM_001565.1| chemokine (C-X-C motif) ligand 10 (CXCL10), mRNA

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<210> 37

<211> 2755

<212> DNA

<213> Homo sapiens

<223> NM_000043.3| tumor necrosis factor receptor superfamily, member 6 (TNFRSF6), transcript variant 1, mRNA

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<211> 1600

<212> DNA

<213> Homo sapiens

<223> NM_001953.2| endothelial cell growth factor 1 (platelet-derived) (ECGF1), mRNA

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 <223> NM_005138.1| SCO cytochrome oxidase deficient homolog 2 (yeast) (SCO2), nuclear gene encoding mitochondrial protein, mRNA

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 <213> Homo sapiens
 <223> NM_006419.1| chemokine (C-X-C motif) ligand 13 (B-cell chemoattractant) (CXCL13), mRNA

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<211> 738

<212> DNA

<213> Homo sapiens

<223> NM_006433.2| granulysin (GNLY), transcript variant NKG5, mRNA

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<210> 42

<211> 1579

<212> DNA

<213> Homo sapiens

<223> NM_001767.2| CD2 antigen (p50), sheep red blood cell receptor (CD2), mRNA

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<210> 43

<211> 3738

<212> DNA

<213> Homo sapiens

<223> NM_006275.4| splicing factor, arginine/serine-rich 6 (SFRS6), mRNA

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<210> 44

<211> 2033

<212> DNA

<213> Homo sapiens

<223> NM_003212.1| teratocarcinoma-derived growth factor 1 (TDGF1), mRNA

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<211> 367

<212> DNA

<213> Homo sapiens

<223> NM_005951.1| metallothionein 1H (MT1H), mRNA

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<210> 46

<211> 3052

<212> DNA

<213> Homo sapiens

<223> NM_000767.4| cytochrome P450, family 2, subfamily B, polypeptide 6 (CYP2B6), mRNA

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120	
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180	
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acccattctt	ccggggatat
ggtgtgatct	ttgccaatgg
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ggcgattctc	tgtgaccact
atgaggggact	tcgggatggg
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gtcatctatg	agattcagag
1080	

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c a t g g c c a g c	c c c g t g g c c c	c a g a a g a c a t	c g a t c t g a c a	c c c c a g g a g t	g t g g t g t g g g	1440
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c a g t t g t c t g	a g g t c a c a t t	g c a a g t g a g t	g c a g g a g t g a	g a t t a t c g a a	a a t t a t a a t a	1680
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c a g g c t g g a g	t g c a g t g g c g	t g a t c t c g g c	t c a c t g c a a c	c t c c a c c c c c	g g g g a t c a a g	1800
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a c a t a a a a t t	a g c t g t t t t a	a a g t g t a a a a	t t t a g t g g c g	t g t g g t t c a t	t c a c a a a g c t	2100
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t g t t g g c c a g	g c t g g t g g t g	a g c t c c t g g c	c t c a g g t g a t	c c a c c c a c c t	c a g t g t t c c a	2760
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t g c t a t t t t t	g a g g t t c a t g	c c t g t t g t a g	a c c a c a g t c a	c a c a c t g c t g	t a g t c t t c c c	2880
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c c a g g t t c c c	t g a g c t g t g g	g a t t c t g c a c	t g g t g c t t t g	g a t t c c c t g a	t a t g t t c c t t	3000

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3052

<210> 47

<211> 1645

<212> DNA

<213> Homo sapiens

<223> NM_003811.2| tumor necrosis factor (ligand) superfamily, member 9 (TNFSF9), mRNA

<400> 47

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<210> 48

<211> 6640

<212> DNA

<213> Homo sapiens

<223> NM_006047.4| RNA binding motif protein 12 (RBM12), transcript variant 1, mRNA

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<223> NM_007236.3| calcium binding protein P22 (CHP), mRNA

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<211> 454

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<213> Homo sapiens

<223> NM_005952.2| metallothionein 1X (MT1X), mRNA

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 <212> DNA
 <213> Homo sapiens
 <223> NM_003242.3| transforming growth factor, beta receptor II (70/80kDa) (TGFB2), mRNA

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<211> 4568

<212> DNA

<213> Homo sapiens

<223> NM_012408.3| protein kinase C binding protein 1 (PRKCBP1), transcript variant 2, mRNA

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<212> DNA

<213> Homo sapiens

<223> NM_003270.2| transmembrane 4 superfamily member 6 (TM4SF6), mRNA

<400> 58

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<210> 59

<211> 2402

<212> DNA

<213> Homo sapiens

<223> NM_021200.1| pleckstrin homology domain containing, family B (evectins)
member 1 (PLEKHB1), mRNA

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<211> 2856

<212> DNA

<213> Homo sapiens

<223> NM_003661.2| apolipoprotein L, 1 (APOL1), transcript variant 1, mRNA

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<211> 1655

<212> DNA

<213> Homo sapiens

<223> NM_002164.3| indoleamine-pyrrole 2,3 dioxygenase (INDO), mRNA

<400> 61

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<211> 2242

<212> DNA

<213> Homo sapiens

<223> NM_021784.3| forkhead box A2 (FOXA2), transcript variant 1, mRNA

<400> 62

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 <212> DNA
 <213> Homo sapiens
 <223> NM_033423.2| granzyme H (cathepsin G-like 2, protein h-CCPX) (GZMH), mRNA

<400> 63
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 <211> 5243
 <212> DNA
 <213> Homo sapiens
 <223> NM_001165.3| baculoviral IAP repeat-containing 3 (BIRC3), transcript variant 1, mRNA

<400> 64

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<213> Homo sapiens

<223> NM_005682.4| G protein-coupled receptor 56 (GPR56), transcript variant 1, mRNA

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3850

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<213> Homo sapiens

<223> NM_005953.2| metallothionein 2A (MT2A), mRNA

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<211> 4180

<212> DNA

<213> Homo sapiens

<223> NM_015002.1| F-box protein 21 (FBX021), transcript variant 2, mRNA

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<211> 6276

<212> DNA

<213> Homo sapiens

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<211> 1209

<212> DNA

<213> Homo sapiens

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<211> 5249

<212> DNA

<213> Homo sapiens

<223> NM_015352.1| protein O-fucosyltransferase 1 (POFUT1), transcript variant 1, mRNA

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<211> 722

<212> DNA

<213> Homo sapiens

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<210> 72

<211> 980

<212> DNA

<213> Homo sapiens

<223> NM_003283.3| troponin T1, skeletal, slow (TNNT1), mRNA

<400> 72

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<210> 73

<211> 2213

<212> DNA

<213> Homo sapiens

<223> NM_004067.1| chimerin (chimaerin) 2 (CHN2), mRNA

<400> 73

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<210> 74
 <211> 2201
 <212> DNA
 <213> Homo sapiens
 <223> NM_005520.1| heterogeneous nuclear ribonucleoprotein H1 (H) (HNRPH1), mRNA

<400> 74
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<210> 75

<211> 1895

<212> DNA

<213> Homo sapiens

<223> NM_004046.4| ATP synthase, H⁺ transporting, mitochondrial F1 complex, alpha subunit, isoform 1, cardiac muscle (ATP5A1), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA

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<210> 76

<211> 1290

<212> DNA

<213> Homo sapiens

<223> NM_001970.3| eukaryotic translation initiation factor 5A (EIF5A), mRNA

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<210> 77

<211> 2512

<212> DNA

<213> Homo sapiens

<223> NM_005041.3| perforin 1 (pore forming protein) (PRF1), mRNA

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<210> 78

<211> 4623

<212> DNA

<213> Homo sapiens

<223> NM_014965.2| OGT(O-Glc-NAc transferase)-interacting protein 106 kDa (OIP106), mRNA

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<211> 2657

<212> DNA

<213> Homo sapiens

<223> NM_017895.6| DEAD (Asp-Glu-Ala-Asp) box polypeptide 27 (DDX27), mRNA

<400> 79

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<211> 3246

<212> DNA

<213> Homo sapiens

<223> NM_018206.3| vacuolar protein sorting 35 (yeast) (VPS35), mRNA

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<211> 3182

<212> DNA

<213> Homo sapiens

<223> NM_017583.3| tripartite motif-containing 44 (TRIM44), mRNA

<400> 81

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<211> 4930

<212> DNA

<213> Homo sapiens

<223> NM_020182.3| transmembrane, prostate androgen induced RNA (TMEPAI), transcript variant 1, mRNA

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<211> 702

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<213> Homo sapiens

<223> NM_014183.2| dynein, cytoplasmic, light polypeptide 2A (DNCL2A), transcript variant 1, mRNA

<400> 83

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<210> 84

<211> 2100

<212> DNA

<213> Homo sapiens

<223> NM_015907.2| leucine aminopeptidase 3 (LAP3), mRNA

<400> 84

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 <212> DNA
 <213> Homo sapiens
 <223> NM_018478.1| chromosome 20 open reading frame 35 (C20orf35), mRNA

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 <211> 3105
 <212> DNA
 <213> Homo sapiens
 <223> NM_030674.2| solute carrier family 38, member 1 (SLC38A1), mRNA

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<210> 87

<211> 2711

<212> DNA

<213> Homo sapiens

<223> NM_016028.4| suppressor of variegation 4-20 homolog 1 (Drosophila)

(SUV420H1), transcript variant 2, mRNA

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<211> 2977

<212> DNA

<213> Homo sapiens

<223> NM_022105.2| death associated transcription factor 1 (DATF1), transcript variant 1, mRNA

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<211> 1047

<212> DNA

<213> Homo sapiens

<223> NM_018487.2| hepatocellular carcinoma-associated antigen 112 (HCA112), mRNA

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<212> DNA

<213> Homo sapiens

<223> NM_014454.1| sestrin 1 (SESN1), mRNA

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<211> 3802

<212> DNA

<213> Homo sapiens

<223> NM_017763.1| hypothetical protein FLJ20315 (FLJ20315), mRNA

<400> 91

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<223> NM_024792.1| membrane protein expressed in epithelial-like lung adenocarcinoma (CT120), mRNA

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<213> Homo sapiens

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<213> Homo sapiens

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<211> 2881

<212> DNA

<213> Homo sapiens

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<210> 101

<211> 1429

<212> DNA

<213> Homo sapiens

<223> NM_016612.1| mitochondrial solute carrier protein (MSCP), mRNA

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<211> 2368

<212> DNA

<213> Homo sapiens

<223> NM_017903.2| hypothetical protein FLJ20618 (FLJ20618), mRNA

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<210> 103

<211> 2577

<212> DNA

<213> Homo sapiens

<223> nm_003011.1 SET translocation (myeloid leukaemia-associated)

<400> 103

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<210> 104

<211> 7577

<212> DNA

<213> Homo sapiens

<223> XM_030577.9| PREDICTED: ATPase, Class II, type 9A (ATP9A), mRNA

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<211> 1672

<212> DNA

<213> Homo sapiens

<223> NM_004503.2| homeo box C6 (HOXC6), transcript variant 1, mRNA

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<211> 3394

<212> DNA

<213> Homo sapiens

<223> NM_004764.2| piwi-like 1 (Drosophila) (PIWIL1), mRNA

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<210> 107

<211> 2524

<212> DNA

<213> Homo sapiens

<223> NM_000249.2| mutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli) (MLH1), mRNA

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<211> 2928

<212> DNA

<213> Homo sapiens

<223> NM_001313.2| collapsin response mediator protein 1 (CRMP1), mRNA

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<210> 109

<211> 1609

<212> DNA

<213> Homo sapiens

<223> NM_002145.2| homeo box B2 (HOXB2), mRNA

<400> 109

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<211> 3262

<212> DNA

<213> Homo sapiens

<223> NM_002860.2| aldehyde dehydrogenase 18 family, member A1 (PYCS/ALDH18A1), mRNA

<400> 110

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<210> 111

<211> 2899

<212> DNA

<213> Homo sapiens

<223> NM_005655.1| TGFB inducible early growth response (TIEG), mRNA

<400> 111

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<211> 3138

<212> DNA

<213> Homo sapiens

<223> NM_018223.1| checkpoint with forkhead and ring finger domains (CHFR), mRNA

<400> 112

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<210> 113

<211> 2466

<212> DNA

<213> Homo sapiens

<223> NM_024645.1| hypothetical protein FLJ13842 (FLJ13842), mRNA

<400> 113

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<213> Homo sapiens

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<213> Homo sapiens

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<211> 3010

<212> DNA

<213> Homo sapiens

<223> NM_145343.1| apolipoprotein L, 1 (APOL1), transcript variant 2, mRNA

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<211> 2759

<212> DNA

<213> Homo sapiens

<223> NM_080796.1| death associated transcription factor 1 (DATF1), transcript variant 2, mRNA

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<210> 122

<211> 781

<212> DNA

<213> Homo sapiens

<223> NM_177953.1| dynein, cytoplasmic, light polypeptide 2A (DNCL2A), transcript variant 2, mRNA

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<210> 123

<211> 841

<212> DNA

<213> Homo sapiens

<223> NM_022873.1| interferon, alpha-inducible protein (clone IFI-6-16) (G1P3), transcript variant 3, mRNA

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<210> 124

<211> 4652

<212> DNA

<213> Homo sapiens

<223> NM_183047.1| protein kinase C binding protein 1 (PRKCBP1), transcript variant 1, mRNA

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<211> 3217

<212> DNA

<213> Homo sapiens

<223> NM_017452.1| staufen, RNA binding protein (Drosophila) (STAU), transcript variant T2, mRNA

<400> 125

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<210> 126

<211> 3506

<212> DNA

<213> Homo sapiens

<223> NM_017453.1| staufer, RNA binding protein (Drosophila) (STAU), transcript variant T3, mRNA

<400> 126

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<211> 4538

<212> DNA

<213> Homo sapiens

<223> NM_199169.1| transmembrane, prostate androgen induced RNA (TMEPAI), transcript variant 2, mRNA

<400> 127

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<210> 128

<211> 4531

<212> DNA

<213> Homo sapiens

<223> NM_199170.1| transmembrane, prostate androgen induced RNA (TMEPAI), transcript variant 3, mRNA

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<210> 129

<211> 2692

<212> DNA

<213> Homo sapiens

<223> NM_152871.1| tumor necrosis factor receptor superfamily, member 6 (TNFRSF6), transcript variant 2, mRNA

<400> 129

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<210> 130

<211> 2730

<212> DNA

<213> Homo sapiens

<223> NM_152872.1| tumor necrosis factor receptor superfamily, member 6 (TNFRSF6), transcript variant 3, mRNA

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<211> 2563

<212> DNA

<213> Homo sapiens

<223> NM_152874.1| tumor necrosis factor receptor superfamily, member 6 (TNFRSF6), transcript variant 8, mRNA

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<210> 132

<211> 2445

<212> DNA

<213> Homo sapiens

<223> NM_152876.1| tumor necrosis factor receptor superfamily, member 6 (TNFRSF6), transcript variant 6, mRNA

<400> 132

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<211> 2508

<212> DNA

<213> Homo sapiens

<223> NM_152877.1| tumor necrosis factor receptor superfamily, member 6 (TNFRSF6), transcript variant 7, mRNA

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<210> 134

<211> 2583

<212> DNA

<213> Homo sapiens

<223> NM_152875.1| tumor necrosis factor receptor superfamily, member 6 (TNFRSF6), transcript variant 5, mRNA

<400> 134

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<210> 135

<211> 316

<212> DNA

<213> Homo sapiens

<223> >gi|13310411|gb|AF333388.1|AF333388 metallothionein 1H-like protein mRNA, complete cds

<400> 135

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 <211> 3145
 <212> DNA
 <213> Homo sapiens
 <223> NM_000251. mutS...[gi:4557760]

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<210> 137

<211> 3239

<212> DNA

<213> Homo sapiens

<223> NM_000534. PMS1...[gi:53729349]

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